



COASTAL AND MARINE SCIENCE AT THE
WOODS HOLE FIELD CENTER (WHFC)

384 Woods Hole Rd., Quissett Campus, Woods Hole, MA 02543-1598



970279rh

GRAB OPERATIONS AND PROCESSING LOG

SHIP AND CRUISE:

ANDR 97027

AREA:

New York Bight

DATES:

July 4-12, 1997

CHIEF SCIENTIST:

Allison - TAMU

AND-9701 July 3-July 13,1997 TO New York Bight

Anderson Vibracore cruise

STATION LOG

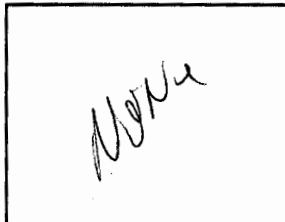
page # 1

Recorded by SM
Processors
Lon (GPS) 073° 42.713 W
Lat (GPS) 40° 33.93 N
Video # 4a

Station-cast ID 97027-1A
J Date 186
GMT Time (hit bottom) 10:37
Water depth (m) 36.2 ft
Wind/weather Clear & Calm
Seas 2-3 ft
Time sub sampled 10:30 am

(1) VAN VEEN GRAB SAMPLE LOG

Box Sample
Frozen
0-5 cm



sketch subsample placement

Grab ID# Station 1
sed height (cm remaining)
Photo # 1

Subsample Sample ID #
Metals/texture
Clostridium
Clostridium
Bulk Water
"
Surface porosity
Hydrocarbon
Profiles

Container Fate
(0-2 cm sample) poly box reefer
(0-2 cm sub) sterile whirlpak reefer
(0-.5) sterile whirlpak reefer
(0-2.0) syringe core # scribed glass bottle
scribed glass bottle reefer
(0-depth) syringe reefer/sectioning.
_____ cm depth pushcore freezer
_____ cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#
Recovered Sed Depth (cm of sediment)
Penetration Depth (cm)
Photo #

or (3) Gravity Core (GC)

core head type & wt (lbs)
PVC Liner length (m)
Sect 1 Int. (m)
Sect 2 Int. (m)
Sect 3 Int. (m)

Core ID#
Recovered Sed Length (m)
Penetration Depth (m)
Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:
Lithology:
H2S oder:
Biology:
Other:

AND-9701 July 3-July 13,1997 TO New York Bight

Anderson Vibracore cruise

STATION LOGpage # 2

Recorded by

M SM

Processors

Lon (GPS) 073° 38 716Lat (GPS) 40° 32 793

Video #

A

Station-cast ID

#2

J Date

186

GMT Time (hit bottom)

13:09 Local

Water depth (m)

36.4 ft

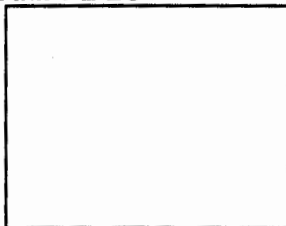
Wind/weather

Clear

Seas

Calm

Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG

sketch subsample placement

Grab ID#

Sta #2

sed height (cm remaining)

Photo #

Subsample**Sample ID #**

Metals/texture

0-2 cm ~~TX~~

Clostridium

Clostridium

Bulk Water

"

Surface porosity

Hydrocarbon

Profiles

Container**Fate**

(0-2 cm sample)poly box reefer

(0-2 cm sub) sterile whirlpak reefer

(0-.5) sterile whirlpak reefer

(0-2.0) syringe core # scribed glass bottle

scribed glass bottle reefer

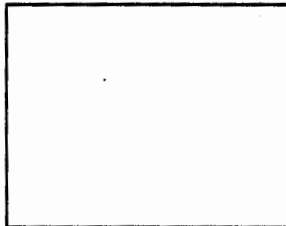
(0-depth) syringe reefer/sectioning.

____cm depth pushcore freezer

____cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#

Recovered Sed Depth (cm of sediment)

Penetration Depth (cm)

Photo #

or (3) Gravity Core (GC)

core head type &wt (lbs)

PVC Liner length (m)

Sect 1 Int. (m)

Sect 2 Int. (m)

Sect 3 Int. (m)

Core ID#

Recovered Sed Length (m)

Penetration Depth (m)

Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:

Lithology:

H2S oder:

Biology:

Other:

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Anderson Vibracore cruise

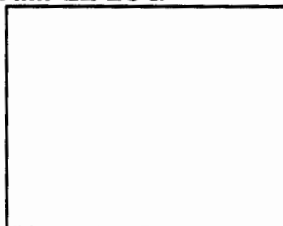
STATION LOG

page # 3

Recorded by ML & SM
Processors
Lon (GPS) 073 40.406
Lat (GPS) 40° 25.794
Video # A

Station-cast ID # 3
J Date 186
GMT Time (hit bottom) 14:56 local
Water depth (m) 80.2 ft
Wind/weather CLEAR
Seas CalM
Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG



sketch subsample placement

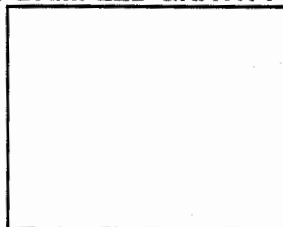
Grab ID# Sta #3
sed height (cm remaining)
Photo #

Subsample	Sample ID #
Metals/texture	<u>0-2 cm tx</u>
Clostridium	
Clostridium	
Bulk Water	
"	
Surface porosity	
Hydrocarbon	
Profiles	

Container	Fate
(0-2 cm sample)	poly box reefer
(0-2 cm sub)	sterile whirlpak reefer
(0-.5)	sterile whirlpak reefer
(0-2.0)	syringe core # scribed glass bottle
	scribed glass bottle reefer
	(O-depth) syringe reefer/sectioning.
	cm depth pushcore freezer
	cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#
Recovered Sed Depth (cm of sediment)
Penetration Depth (cm)
Photo #

or (3) Gravity Core (GC)

core head type & wt (lbs)
PVC Liner length (m)
Sect 1 Int. (m)
Sect 2 Int. (m)
Sect 3 Int. (m)

Core ID#
Recovered Sed Length (m)
Penetration Depth (m)
Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:
Lithology:
H2S oder:
Biology:
Other:

AND-9701 July 3-July 13, 1997 TO New York Bight

Anderson Vibracore cruise

STATION LOG

page # 4

Recorded by AL + SM

Processors

Lon (GPS) 073° 34.694 W

Lat (GPS) 40° 17.291 N

Video #

Station-cast ID sta # 4

J Date 187

GMT Time (hit bottom)

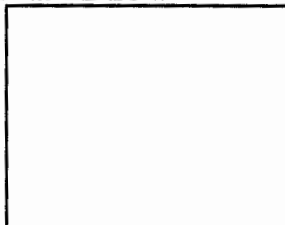
Water depth (m) 91'

Wind/weather moderate = 18kts

Seas lots of rolling

Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG



sketch subsample placement

Grab ID# 97027 - 04

sed height (cm remaining)

Photo #

Subsample

Sample ID

Metals/texture 0-2 cm text

Clostridium

Clostridium

Bulk Water

"

Surface porosity

Hydrocarbon

Profiles

Container

Fate

(0-2 cm sample) poly box reefer

(0-2 cm sub) sterile whirlpak reefer

(0-.5) sterile whirlpak reefer

(0-2.0) syringe core # scribed glass bottle

scribed glass bottle reefer

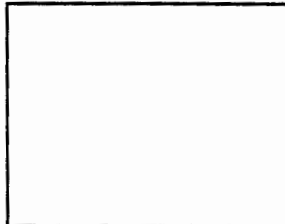
(0-depth) syringe reefer/sectioning.

cm depth pushcore freezer

cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#

Recovered Sed Depth (cm of sediment)

Penetration Depth (cm)

Photo #

or (3) Gravity Core (GC)

core head type & wt (lbs)

PVC Liner length (m)

Sect 1 Int. (m)

Sect 2 Int. (m)

Sect 3 Int. (m)

Core ID#

Recovered Sed Length (m)

Penetration Depth (m)

Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:

Lithology:

H2S oder:

Biology:

Other:

AND-9701 July 3-July 13,1997 TO New York Bight

Anderson Vibracore cruise

STATION LOG

page # 5

Recorded by ML + SM

Processors

Lon (GPS) 073° 31.755

Lat (GPS) 40° 18.467

Video #

Station-cast ID 97027-06

J Date 187

GMT Time (hit bottom)

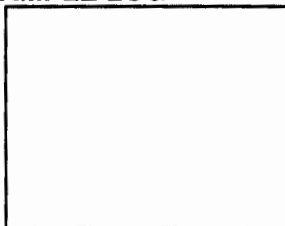
Water depth (m) 91.8'

Wind/weather CLEAR

Seas CALM w/ rolling

Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG



sketch subsample placement

Grab ID#

sed height (cm remaining)

Photo #

Subsample

Sample ID #

Metals/texture 0-2 cm text.

Clostridium

Clostridium

Bulk Water

"

Surface porosity

Hydrocarbon

Profiles

Container

Fate

(0-2 cm sample) poly box reefer

(0-2 cm sub) sterile whirlpak reefer

(0-.5) sterile whirlpak reefer

(0-2.0) syringe core # scribed glass bottle

scribed glass bottle reefer

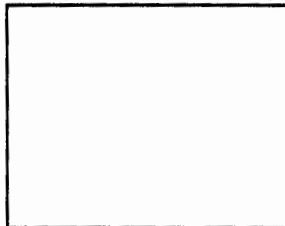
(0-depth) syringe reefer/sectioning.

____ cm depth pushcore freezer

____ cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#

Recovered Sed Depth (cm of sediment)

Penetration Depth (cm)

Photo #

or (3) Gravity Core (GC)

core head type & wt (lbs)

PVC Liner length (m)

Sect 1 Int. (m)

Sect 2 Int. (m)

Sect 3 Int. (m)

Core ID#

Recovered Sed Length (m)

Penetration Depth (m)

Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:

Lithology:

H2S oder:

Biology:

Other:

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Anderson Vibracore cruise

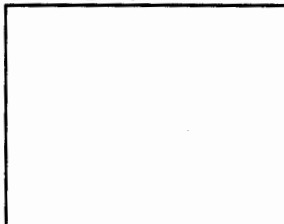
STATION LOG

page # 6

Recorded by ML + SM
Processors _____
Lon (GPS) 073° 34.807
Lat (GPS) 40° 19.388
Video # B

Station-cast ID Sta #16
J Date 187
GMT Time (hit bottom) 9:20 local
Water depth (m) 92 ft
Wind/weather calm
Seas some rolling but less than this morning
Time sub sampled _____

(1) VAN VEEN GRAB SAMPLE LOG



sketch subsample placement

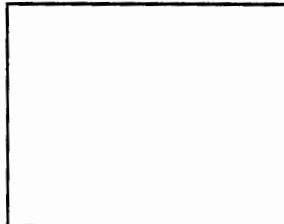
Grab ID# _____
sed height (cm remaining) _____
Photo # _____

Subsample Sample ID #
Metals/texture 0-2 cm +xt.
Clostridium _____
Clostridium _____
Bulk Water _____
" _____
Surface porosity _____
Hydrocarbon _____
Profiles _____

Container Fate
(0-2 cm sample) poly box reefer
(0-2 cm sub) sterile whirlpak reefer
(0-.5) sterile whirlpak reefer
(0-2.0) syringe core # scribed glass bottle
scribed glass bottle reefer
(0-depth) syringe reefer/sectioning.
_____ cm depth pushcore freezer
_____ cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID# _____
Recovered Sed Depth (cm of sediment) _____
Penetration Depth (cm) _____
Photo # _____

or (3) Gravity Core (GC)

core head type & wt (lbs) _____
PVC Liner length (m) _____
Sect 1 Int. (m) _____
Sect 2 Int. (m) _____
Sect 3 Int. (m) _____

Core ID# _____
Recovered Sed Length (m) _____
Penetration Depth (m) _____
Photo # _____

COMMENTS FOR ALL DEVICES:

Sample disturbance: _____
Lithology: _____
H2S oder: _____
Biology: _____
Other: _____

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Anderson Vibracore cruise

STATION LOG

page #

7

Recorded by

ML & SM

Processors

11

Lon (GPS)

0730 47.884

Lat (GPS)

40° 21.265

Video #

B

Station-cast ID

Sta # 7

J Date

187

GMT Time (hit bottom)

1124

Water depth (m)

141.5'

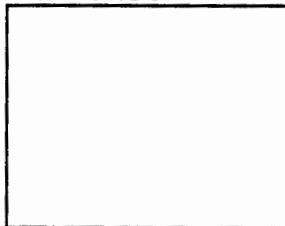
Wind/weather

CA/m

Seas

small swells

Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG

sketch subsample placement

Grab ID#

sed height (cm remaining)

Photo #

Subsample

Sample ID #

Metals/texture

0-2cm tx

Clostridium

Clostridium

Bulk Water

"

Surface porosity

Hydrocarbon

Profiles

Container

Fate

(0-2 cm sample)poly box reefer

(0-2 cm sub) sterile whirlpak reefer

(0-.5) sterile whirlpak reefer

(0-2.0) syringe core # scribed glass bottle

scribed glass bottle reefer

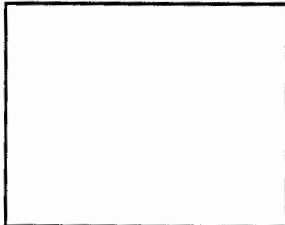
(0-depth) syringe reefer/sectioning.

cm depth pushcore freezer

cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#

Recovered Sed Depth (cm of sediment)

Penetration Depth (cm)

Photo #

or (3) Gravity Core (GC)

core head type &wt (lbs)

PVC Liner length (m)

Sect 1 Int. (m)

Sect 2 Int. (m)

Sect 3 Int. (m)

Core ID#

Recovered Sed Length (m)

Penetration Depth (m)

Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:

Lithology:

H2S oder:

Biology:

Other:

AND-9701 July 3-July 13,1997 TO New York Bight

Anderson Vibracore cruise

STATION LOG

page # 8

Recorded by SA + PL

Processors

Lon (GPS) 073 46.093

Lat (GPS) 40°31.210

Video # B

Station-cast ID Sta # 8

J Date 188

GMT Time (hit bottom) 16:14 local

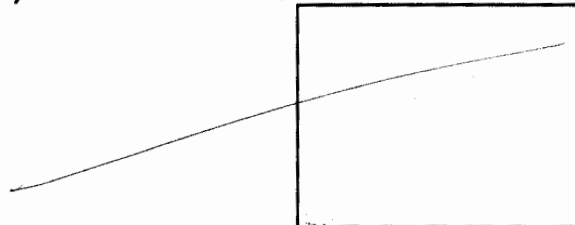
Water depth (m) 675'

Wind/weather clear

Seas calm

Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG



sketch subsample placement

Grab ID#

sed height (cm remaining)

Photo #

Subsample

Sample ID

Metals/texture

0-2 cm 4x1

Clostridium

Clostridium

Bulk Water

"

Surface porosity

Hydrocarbon

Profiles

Container

Fate

(0-2 cm sample)poly box reefer

(0-2 cm sub) sterile whirlpak reefer

(0-.5) sterile whirlpak reefer

(0-2.0) syringe core # scribed glass bottle

scribed glass bottle reefer

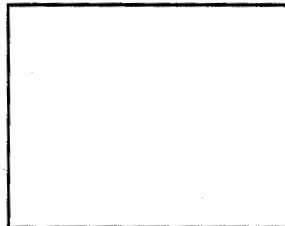
(0-depth) syringe reefer/sectioning.

cm depth pushcore freezer

cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#

Recovered Sed Depth (cm of sediment)

Penetration Depth (cm)

Photo #

or (3) Gravity Core (GC)

core head type &wt (lbs)

PVC Liner length (m)

Sect 1 Int. (m)

Sect 2 Int. (m)

Sect 3 Int. (m)

Core ID#

Recovered Sed Length (m)

Penetration Depth (m)

Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:

Lithology:

H2S oder:

Biology:

Other:

AND-9701 July 3-July 13,1997 TO New York Bight

Anderson Vibracore cruise

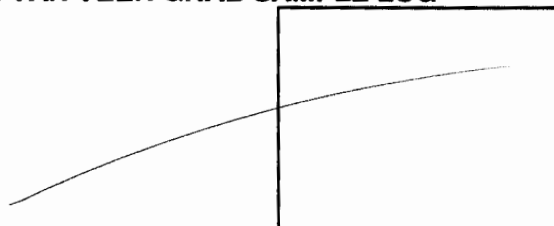
STATION LOG

page # 9

Recorded by ML f SM
Processors _____
Lon (GPS) 073° 32.843
Lat (GPS) 40° 33.731
Video # B

Station-cast ID Sta #9
J Date 188
GMT Time (hit bottom) 5:50
Water depth (m) 29.5
Wind/weather clear
Seas calm
Time sub sampled _____

(1) VAN VEEN GRAB SAMPLE LOG



sketch subsample placement

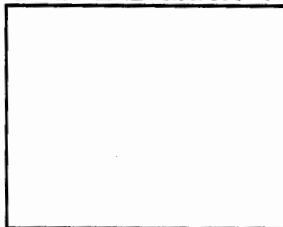
Subsample _____ Sample ID # _____
Metals/texture 0-2 cm top
Clostridium _____
Clostridium _____
Bulk Water _____
" _____
Surface porosity _____
Hydrocarbon _____
Profiles _____

Grab ID# _____
sed height (cm remaining) _____
Photo # _____

Container _____ Fate _____
(0-2 cm sample) poly box reefer
(0-2 cm sub) sterile whirlpak reefer
(0-.5) sterile whirlpak reefer
(0-2.0) syringe core # scribed glass bottle
scribed glass bottle reefer
(0-depth) syringe reefer/sectioning.
_____ cm depth pushcore freezer
_____ cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID# _____
Recovered Sed Depth (cm of sediment) _____
Penetration Depth (cm) _____
Photo # _____

or (3) Gravity Core (GC)

core head type & wt (lbs) _____
PVC Liner length (m) _____
Sect 1 Int. (m) _____
Sect 2 Int. (m) _____
Sect 3 Int. (m) _____

Core ID# _____
Recovered Sed Length (m) _____
Penetration Depth (m) _____
Photo # _____

COMMENTS FOR ALL DEVICES:

Sample disturbance: _____
Lithology: _____
H2S oder: _____
Biology: _____
Other: _____

AND-9701 July 3-July 13,1997 TO New York Bight

Anderson Vibracore cruise

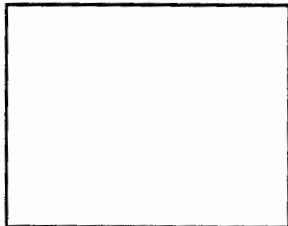
STATION LOG

page # 110

Recorded by SA +ML
Processors
Lon (GPS) 073° 39.091
Lat (GPS) 40° 25.727
Video # B

Station-cast ID sta # 10
J Date 188
GMT Time (hit bottom) 19:57 local
Water depth (m) 77 ft
Wind/weather just after storm
Seas choppy
Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG



sketch subsample placement

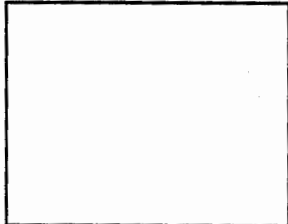
Grab ID#
sed height (cm remaining)
Photo #

Subsample Sample ID #
Metals/texture 0-2 cm txt.
Clostridium
Clostridium
Bulk Water
"
Surface porosity
Hydrocarbon
Profiles

Container Fate
(0-2 cm sample) poly box reefer
(0-2 cm sub) sterile whirlpak reefer
(0-.5) sterile whirlpak reefer
(0-2.0) syringe core # scribed glass bottle
scribed glass bottle reefer
(0-depth) syringe reefer/sectioning.
____ cm depth pushcore freezer
____ cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#
Recovered Sed Depth (cm of sediment)
Penetration Depth (cm)
Photo #

or (3) Gravity Core (GC)

core head type &wt (lbs)
PVC Liner length (m)
Sect 1 Int. (m)
Sect 2 Int. (m)
Sect 3 Int. (m)

Core ID#
Recovered Sed Length (m)
Penetration Depth (m)
Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:

Lithology:

H2S oder:

Biology:

Other:

AND-9701 July 3-July 13,1997 TO New York Bight

Anderson Vibracore cruise

STATION LOG

page # 11

Station-cast ID STA 11

J Date 18 D

Recorded by M { ~~SM~~ SM

GMT Time (hit bottom)

Processors

Water depth (m) 72.6 ft

Lon (GPS) 073° 41.054

Wind/weather Foggy

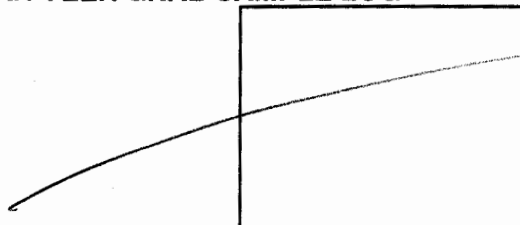
Lat (GPS) 40° 22.934

Seas Very calm

Video #

Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG



sketch subsample placement

Grab ID#

sed height (cm remaining)

Photo #

Subsample

Sample ID #

Metals/texture 0-2 cm ~~fx~~

Clostridium

Clostridium

Bulk Water

"

Surface porosity

Hydrocarbon

Profiles

Container

Fate

(0-2 cm sample) poly box reefer

(0-2 cm sub) sterile whirlpak reefer

(0-.5) sterile whirlpak reefer

(0-2.0) syringe core # scribed glass bottle

scribed glass bottle reefer

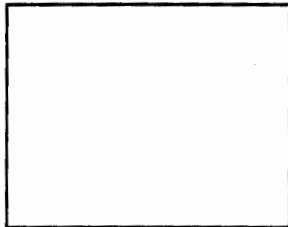
(0-depth) syringe reefer/sectioning.

cm depth pushcore freezer

cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#

Recovered Sed Depth (cm of sediment)

Penetration Depth (cm)

Photo #

or (3) Gravity Core (GC)

core head type & wt (lbs)

PVC Liner length (m)

Sect 1 Int. (m)

Sect 2 Int. (m)

Sect 3 Int. (m)

Core ID#

Recovered Sed Length (m)

Penetration Depth (m)

Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:

Lithology:

H2S oder:

Biology:

Other:

AND-9701 July 3-July 13,1997 TO New York Bight

Anderson Vibracore cruise

STATION LOG

page # 12

Recorded by ML & SM

Processors

Lon (GPS) 073° 37.865

Lat (GPS) 40° 23.409 N

Video # B

Station-cast ID 12

J Date 189

GMT Time (hit bottom)

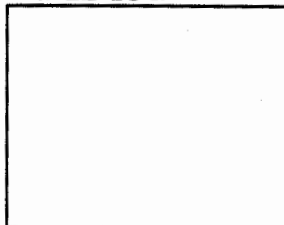
Water depth (m) 76'

Wind/weather Calm, foggy

Seas Calm

Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG



sketch subsample placement

Grab ID#

sed height (cm remaining)

Photo #

Subsample

Sample ID #

Metals/texture 0-2 cm txt

Clostridium

Clostridium

Bulk Water

"

Surface porosity

Hydrocarbon

Profiles

Container

Fate

(0-2 cm sample)poly box reefer

(0-2 cm sub) sterile whirlpak reefer

(0-.5) sterile whirlpak reefer

(0-2.0) syringe core # scribed glass bottle

scribed glass bottle reefer

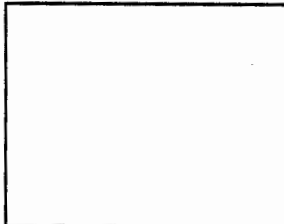
(0-depth) syringe reefer/sectioning.

cm depth pushcore freezer

cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#

Recovered Sed Depth (cm of sediment)

Penetration Depth (cm)

Photo #

or (3) Gravity Core (GC)

core head type &wt (lbs)

PVC Liner length (m)

Sect 1 Int. (m)

Sect 2 Int. (m)

Sect 3 Int. (m)

Core ID#

Recovered Sed Length (m)

Penetration Depth (m)

Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:

Lithology:

H2S oder:

Biology:

Other:

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Anderson Vibracore cruise

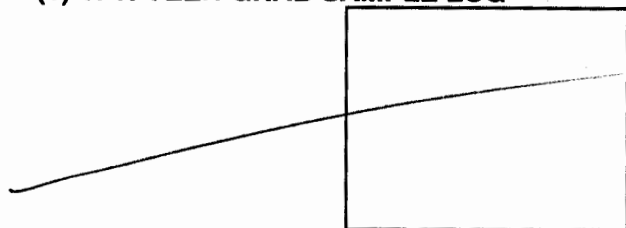
STATION LOG

page #

Recorded by ML & SM
Processors "
Lon (GPS) 073° 48.162
Lat (GPS) 40° 20.978
Video # 8

Station-cast ID STA 13
J Date 189
GMT Time (hit bottom)
Water depth (m) 2140 ft
Wind/weather foggy, calm
Seas calm
Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG



sketch subsample placement

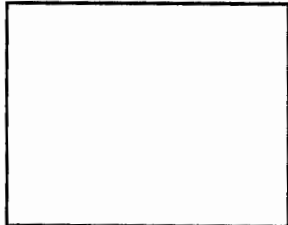
Subsample Sample ID #
Metals/texture 0 - 2 cm dx
Clostridium
Clostridium
Bulk Water
"
Surface porosity
Hydrocarbon
Profiles

Grab ID#
sed height (cm remaining)
Photo #

Container Fate
(0-2 cm sample) poly box reefer
(0-2 cm sub) sterile whirlpak reefer
(0-.5) sterile whirlpak reefer
(0-2.0) syringe core # scribed glass bottle
scribed glass bottle reefer
(0-depth) syringe reefer/sectioning.
____ cm depth pushcore freezer
____ cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#
Recovered Sed Depth (cm of sediment)
Penetration Depth (cm)
Photo #

or (3) Gravity Core (GC)

core head type & wt (lbs)
PVC Liner length (m)
Sect 1 Int. (m)
Sect 2 Int. (m)
Sect 3 Int. (m)

Core ID#
Recovered Sed Length (m)
Penetration Depth (m)
Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:
Lithology:
H2S oder:
Biology:
Other:

AND-9701 July 3-July 13,1997 TO New York Bight

Anderson Vibracore cruise

STATION LOG

page #

Recorded by

M & SM

Processors

Lon (GPS)

073 47.808

Lat (GPS)

40.17.924

Video #

B

Station-cast ID

Sta 14

J Date

189

GMT Time (hit bottom)

Water depth (m)

168.8

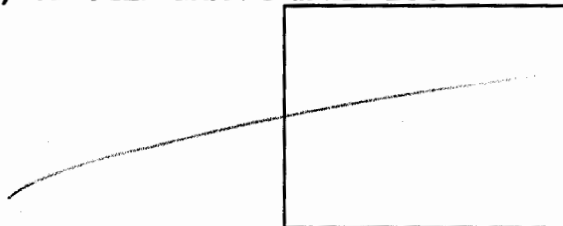
Wind/weather

calm, foggy

Seas

calm

Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG

sketch subsample placement

Grab ID#

sed height (cm remaining)

Photo #

Subsample

Sample ID #

Metals/texture

0-2 cm Lx

Clostridium

Clostridium

Bulk Water

"

Surface porosity

Hydrocarbon

Profiles

Container

Fate

(0-2 cm sample)poly box reefer

(0-2 cm sub) sterile whirlpak reefer

(0-.5) sterile whirlpak reefer

(0-2.0) syringe core # scribed glass bottle

scribed glass bottle reefer

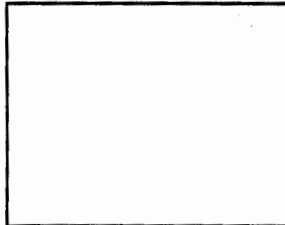
(0-depth) syringe reefer/sectioning.

____cm depth pushcore freezer

____cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#

Recovered Sed Depth (cm of sediment)

Penetration Depth (cm)

Photo #

or (3) Gravity Core (GC)

core head type &wt (lbs)

PVC Liner length (m)

Sect 1 Int. (m)

Sect 2 Int. (m)

Sect 3 Int. (m)

Core ID#

Recovered Sed Length (m)

Penetration Depth (m)

Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:

Lithology:

H2S oder:

Biology:

Other:

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Anderson Vibracore cruise

STATION LOG

page # 15

Recorded by ML & SM

Processors

Lon (GPS) 073°45.787

Lat (GPS) 40°12.581

Video # 15

Station-cast ID sta # 15

J Date 189

GMT Time (hit bottom) 14:56

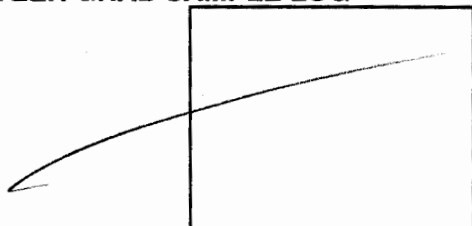
Water depth (m) 160 ft

Wind/weather calm / SUNNY

Seas calm

Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG



sketch subsample placement

Grab ID#

sed height (cm remaining)

Photo #

Subsample

Sample ID

Metals/texture 0-2 cm 4x4

Clostridium

Clostridium

Bulk Water

"

Surface porosity

Hydrocarbon

Profiles

Container

Fate

(0-2 cm sample) poly box reefer

(0-2 cm sub) sterile whirlpak reefer

(0-.5) sterile whirlpak reefer

(0-2.0) syringe core # scribed glass bottle

scribed glass bottle reefer

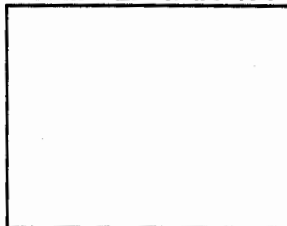
(0-depth) syringe reefer/sectioning.

cm depth pushcore freezer

cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#

Recovered Sed Depth (cm of sediment)

Penetration Depth (cm)

Photo #

or (3) Gravity Core (GC)

core head type & wt (lbs)

PVC Liner length (m)

Sect 1 Int. (m)

Sect 2 Int. (m)

Sect 3 Int. (m)

Core ID#

Recovered Sed Length (m)

Penetration Depth (m)

Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:

Lithology:

H2S oder:

Biology:

Other:

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Anderson Vibracore cruise

STATION LOG

page # 16

Recorded by M ESM

Processors

Lon (GPS) 073° 45.167

Lat (GPS) 40° 11.908

Video # B

Station-cast ID 16

J Date 189

GMT Time (hit bottom)

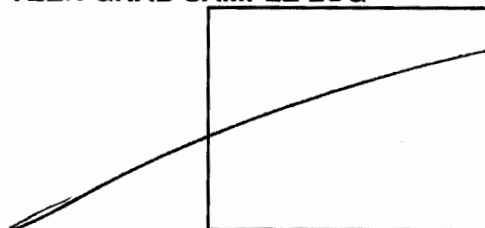
Water depth (m) 168.0

Wind/weather calm / sunny

Seas calm

Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG



sketch subsample placement

Grab ID#

sed height (cm remaining)

Photo #

Subsample

Sample ID #

Metals/texture

0-2 cm

Clostridium

Clostridium

Bulk Water

"

Surface porosity

Hydrocarbon

Profiles

Container

Fate

(0-2 cm sample) poly box reefer

(0-2 cm sub) sterile whirlpak reefer

(0-.5) sterile whirlpak reefer

(0-2.0) syringe core # scribed glass bottle

scribed glass bottle reefer

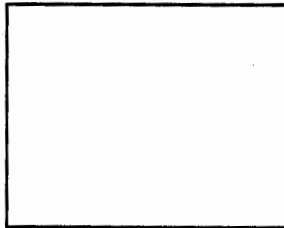
(0-depth) syringe reefer/sectioning.

cm depth pushcore freezer

cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#

Recovered Sed Depth (cm of sediment)

Penetration Depth (cm)

Photo #

or (3) Gravity Core (GC)

core head type & wt (lbs)

PVC Liner length (m)

Sect 1 Int. (m)

Sect 2 Int. (m)

Sect 3 Int. (m)

Core ID#

Recovered Sed Length (m)

Penetration Depth (m)

Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:

Lithology:

H2S oder:

Biology:

Other:

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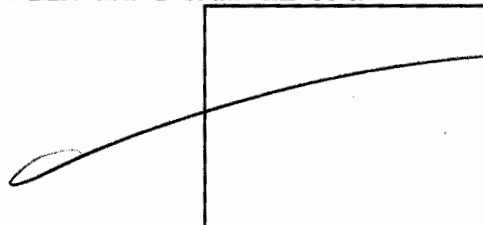
Anderson Vibracore cruise

STATION LOGpage # 17Recorded by ML+JM

Processors

Lon (GPS) 073° 44.388Lat (GPS) 40° 11.759Video # 6Station-cast ID Sta 17J Date 189GMT Time (hit bottom) 5:25p localWater depth (m) 212 ftWind/weather calm / sunnySeas calm

Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG

sketch subsample placement

Grab ID#

sed height (cm remaining)

Photo #

Subsample**Sample ID #**

Metals/texture

0-2 cm xxt

Clostridium

Clostridium

Bulk Water

"

Surface porosity

Hydrocarbon

Profiles

Container**Fate**

(0-2 cm sample)poly box reefer

(0-2 cm sub) sterile whirlpak reefer

(0-.5) sterile whirlpak reefer

(0-2.0) syringe core # scribed glass bottle

scribed glass bottle reefer

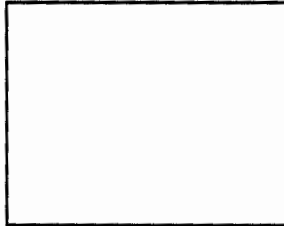
(0-depth) syringe reefer/sectioning.

____cm depth pushcore freezer

____cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#

Recovered Sed Depth (cm of sediment)

Penetration Depth (cm)

Photo #

or (3) Gravity Core (GC)

core head type &wt (lbs)

PVC Liner length (m)

Sect 1 Int. (m)

Sect 2 Int. (m)

Sect 3 Int. (m)

Core ID#

Recovered Sed Length (m)

Penetration Depth (m)

Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:

Lithology:

H2S oder:

Biology:

Other:

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Anderson Vibracore cruise

STATION LOG

page #

Recorded by

MESM

Processors

Lon (GPS)

073° 46.552

Lat (GPS)

40° 32.942

Video #

B

Station-cast ID

STA 18

J Date

189

GMT Time (hit bottom)

0643

Water depth (m)

48'

Wind/weather

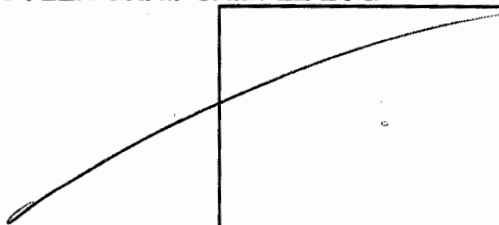
windy - drifting quite a lot

Seas

wavy

Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG



sketch subsample placement

Grab ID#

sed height (cm remaining)

Photo #

Subsample

Sample ID #

Metals/texture

0-2 cm txt

Clostridium

Clostridium

Bulk Water

"

Surface porosity

Hydrocarbon

Profiles

Container

Fate

(0-2 cm sample) poly box reefer

(0-2 cm sub) sterile whirlpak reefer

(0-.5) sterile whirlpak reefer

(0-2.0) syringe core # scribed glass bottle

scribed glass bottle reefer

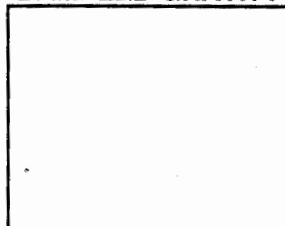
(0-depth) syringe reefer/sectioning.

cm depth pushcore freezer

cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#

Recovered Sed Depth (cm of sediment)

Penetration Depth (cm)

Photo #

or (3) Gravity Core (GC)

core head type & wt (lbs)

PVC Liner length (m)

Sect 1 Int. (m)

Sect 2 Int. (m)

Sect 3 Int. (m)

Core ID#

Recovered Sed Length (m)

Penetration Depth (m)

Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:

Lithology:

H2S oder:

Biology:

Other:

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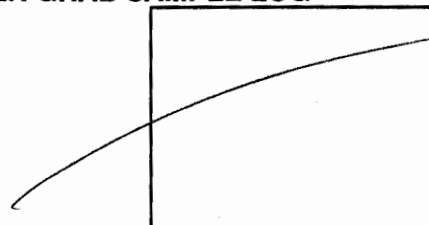
STATION LOG

page # 19

Recorded by SM + ML
Processors 4
Lon (GPS) 073° 46' 344
Lat (GPS) 40° 28' 376
Video # 6

Station-cast ID sta 19
J Date 1997
GMT Time (hit bottom)
Water depth (m) 89 ft
Wind/weather Breezy / SUNNY
Seas slightly choppy
Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG



sketch subsample placement

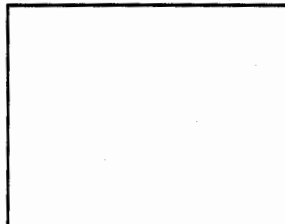
Grab ID#
sed height (cm remaining)
Photo #

Subsample Sample ID #
Metals/texture 0-2 cm txt
Clostridium
Clostridium
Bulk Water
"
Surface porosity
Hydrocarbon
Profiles

Container Fate
(0-2 cm sample) poly box reefer
(0-2 cm sub) sterile whirlpak reefer
(0-.5) sterile whirlpak reefer
(0-2.0) syringe core # scribed glass bottle
scribed glass bottle reefer
(0-depth) syringe reefer/sectioning.
____ cm depth pushcore freezer
____ cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLD GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#
Recovered Sed Depth (cm of sediment)
Penetration Depth (cm)
Photo #

or (3) Gravity Core (GC)

core head type & wt (lbs)
PVC Liner length (m)
Sect 1 Int. (m)
Sect 2 Int. (m)
Sect 3 Int. (m)

Core ID#
Recovered Sed Length (m)
Penetration Depth (m)
Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:
Lithology:
H2S oder:
Biology:
Other:

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Anderson Vibracore cruise

STATION LOG

page # 20

Station-cast ID Sta. 20

Recorded by SA + ML

Processors

Lon (GPS) 073° 40.731

Lat (GPS) 40° 19.979

Video # 0

J Date 192

GMT Time (hit bottom)

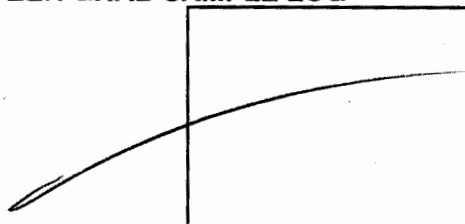
Water depth (m) 82 ft

Wind/weather Clear / sunny

Seas calm

Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG



sketch subsample placement

Grab ID#

sed height (cm remaining)

Photo #

Subsample

Sample ID #

Metals/texture 0-2 cm + x+

Clostridium

Clostridium

Bulk Water

"

Surface porosity

Hydrocarbon

Profiles

Container

Fate

(0-2 cm sample) poly box reefer

(0-2 cm sub) sterile whirlpak reefer

(0-.5) sterile whirlpak reefer

(0-2.0) syringe core # scribed glass bottle

scribed glass bottle reefer

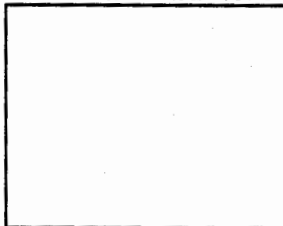
(0-depth) syringe reefer/sectioning.

cm depth pushcore freezer

cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#

Recovered Sed Depth (cm of sediment)

Penetration Depth (cm)

Photo #

or (3) Gravity Core (GC)

core head type & wt (lbs)

PVC Liner length (m)

Sect 1 Int. (m)

Sect 2 Int. (m)

Sect 3 Int. (m)

Core ID#

Recovered Sed Length (m)

Penetration Depth (m)

Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:

Lithology:

H2S oder:

Biology:

Other:

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Anderson Vibracore cruise

STATION LOG

page # 21

Recorded by ML & SM
Processors _____
Lon (GPS) 073° 46.956
Lat (GPS) 40° 11.898
Video # D

Station-cast ID sta 21

J Date 192

GMT Time (hit bottom) 1250

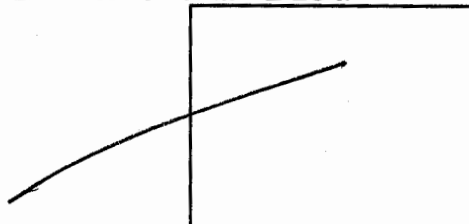
Water depth (m) 109.5

Wind/weather calm

Seas calm

Time sub sampled _____

(1) VAN VEEN GRAB SAMPLE LOG



sketch subsample placement

Grab ID# _____

sed height (cm remaining) _____

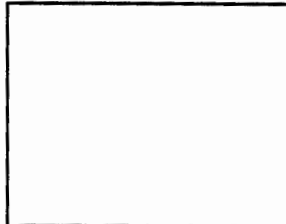
Photo # _____

Subsample Sample ID #
Metals/texture 0-2 cm
Clostridium _____
Clostridium _____
Bulk Water _____
" _____
Surface porosity _____
Hydrocarbon _____
Profiles _____

Container Fate
(0-2 cm sample) poly box reefer
(0-2 cm sub) sterile whirlpak reefer
(0-.5) sterile whirlpak reefer
(0-2.0) syringe core # scribed glass bottle
scribed glass bottle reefer
(0-depth) syringe reefer/sectioning.
_____ cm depth pushcore freezer
_____ cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID# _____

Recovered Sed Depth (cm of sediment) _____

Penetration Depth (cm) _____

Photo # _____

or (3) Gravity Core (GC)

core head type & wt (lbs) _____

PVC Liner length (m) _____

Sect 1 Int. (m) _____

Sect 2 Int. (m) _____

Sect 3 Int. (m) _____

Core ID# _____

Recovered Sed Length (m) _____

Penetration Depth (m) _____

Photo # _____

COMMENTS FOR ALL DEVICES:

Sample disturbance: _____

Lithology: _____

H2S oder: _____

Biology: _____

Other: _____

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Anderson Vibracore cruise

STATION LOG

page # 22

Station-cast ID 22

Recorded by SA + ML

Processors

Lon (GPS) 73° 44.167

Lat (GPS) 40° 10.588

Video # 0

J Date 192

GMT Time (hit bottom)

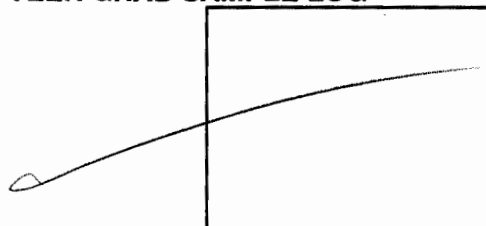
Water depth (m) 135 ft

Wind/weather calm / sunny

Seas calm

Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG



sketch subsample placement

Grab ID#

sed height (cm remaining)

Photo #

Subsample

Sample ID

Metals/texture

0-2 cm txf.

Clostridium

Clostridium

Bulk Water

"

Surface porosity

Hydrocarbon

Profiles

Container

Fate

(0-2 cm sample) poly box reefer

(0-2 cm sub) sterile whirlpak reefer

(0-.5) sterile whirlpak reefer

(0-2.0) syringe core # scribed glass bottle

scribed glass bottle reefer

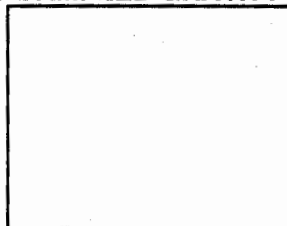
(0-depth) syringe reefer/sectioning.

cm depth pushcore freezer

cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#

Recovered Sed Depth (cm of sediment)

Penetration Depth (cm)

Photo #

or (3) Gravity Core (GC)

core head type & wt (lbs)

PVC Liner length (m)

Sect 1 Int. (m)

Sect 2 Int. (m)

Sect 3 Int. (m)

Core ID#

Recovered Sed Length (m)

Penetration Depth (m)

Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:

Lithology:

H2S oder:

Biology:

Other:

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Anderson Vibracore cruise

STATION LOGpage # 23

Recorded by

ML ESM

Processors

Lon (GPS)

073° 43.910

Lat (GPS)

40° 11.429

Video #

D

Station-cast ID

STA 23

J Date

192

GMT Time (hit bottom)

Water depth (m)

212'

Wind/weather

calm / sunny

Seas

calm

Time sub sampled

(1) VAN VEEN GRAB SAMPLE LOG

sketch subsample placement

Grab ID#

sed height (cm remaining)

Photo #

Subsample

Sample ID #

Metals/texture

0-2cm

Clostridium

Clostridium

Bulk Water

"

Surface porosity

Hydrocarbon

Profiles

Container

Fate

(0-2 cm sample)poly box reefer

(0-2 cm sub) sterile whirlpak reefer

(0-.5) sterile whirlpak reefer

(0-2.0) syringe core # scribed glass bottle

scribed glass bottle reefer

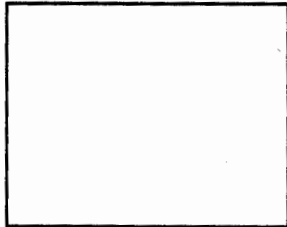
(0-depth) syringe reefer/sectioning.

____cm depth pushcore freezer

____cm depth pushcore reefer/freezer

(2) HYDRASTATICALLY DAMPLED GRAVITY CORE (SLOW CORER)

sketch interface



Core ID#

Recovered Sed Depth (cm of sediment)

Penetration Depth (cm)

Photo #

or (3) Gravity Core (GC)

core head type &wt (lbs)

PVC Liner length (m)

Sect 1 Int. (m)

Sect 2 Int. (m)

Sect 3 Int. (m)

Core ID#

Recovered Sed Length (m)

Penetration Depth (m)

Photo #

COMMENTS FOR ALL DEVICES:

Sample disturbance:

Lithology:

H2S oder:

Biology:

Other: